BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work :"Consultancy services for preparation of DPR for the work of Asphalting to roads at Sai Archado,G Ramaiah, and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division" Est cost Rs. 200 Lakhs

Sl No	Description of Work	Unit	BOQ Qty	Executed Qty	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. P No. 143/ Item No. 19.1/ PWD SR 2018-19	Cum	1178.74	1178.74									
2	KSRRMBM2990 Plain cement concrete of mix M10 MIX with crushed stone aggregaes 40mm nomial size mechanically mixed, placed infoundation and compacted by viberation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. p No. 254/ Item No. 34.2/PWD SR 2018-19	Cum	221.33	221.33									
3	Providing and laying plain/ reinforced cement concrete for side drains using M20 nomial mix concrete with OPC cement @ 300kgs, with 20mm and down size granite metal coarse aggregates @0.69cum and fine aggregates @0.43cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc, complete excluding cost of stell as per MORTH specification NO. 1500, 1700, 2200. Including cost of materials, labour, HOM complete as per specifications. Item No. [illegible]	Cum	324.08	324.08									
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specificatio (I No-28.8.2,P No-229)	Tonne	18.14	18.14									
5	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No 27., I.No.5.33 of KPWD S.R 2018-19).	Sqm	271.10	271.10									
6	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)	Sqm	783.18	783.18									
7	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. Page No. 27/ Item No. 5.30/ PWD SR 2018-19	Sqm	3857.00	3857.00									
8	KSRB 800-1 Providing two coats after filling the surface with synthetic enamel paint in approved shades on new plastered surfaces, with materials, labour, complete as per specifications. MORTH chapter 8. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)	Sqm	723.64	723.64									

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9	KSRRB M300-13.Excavation for road way in hard rock (requiring blasting) by drilling and breaking, trimming of bottom and side slopes in accordance with requirements of lines, grades and cross sections, loading and stacking at site of cut road with lead of 1.00 km and complete as per specifications (excavated rock credited to contractor) MORTH specification no 301	Cum	0.00	0.00	
10	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 KPWD S R 2018-19 Page No. 147 I No. 19.64	Sqm	0.00	0.00	
11	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material,mixing by mix in place method with rotavator at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.	Cum	0.00	0.00	
12	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum	0.00	0.00	
13	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision (P No. 158 INo. 21.6)	Sqm	0.00	0.00	
14	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications. Clause 501 of MORTH V revision. (P-158) Item no.21.2.specifications. MORTH Specification No. 202 KPWD SR 2018-19	Sqm	0.00	0.00	
15	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications. Clause 503 of MORTH V revision	Sqm	0.00	0.00	
16	KSRRB M500-11. Providing and laying dense graded bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formulae for base/ binding course including loadng of aggrigated with FE loader, hot mixing of stone aggregates and bitumen in Hot mix plant transporting the mixed material in tipper to the required level and grade, rolling by power roller to achieve desired, but excluding cost of primer / tack coat including lead, lift and cost of all materials, lobour HOM, of machinaries complete as per specifications MORTH ch5. using 40/60 TPH capacity HMP with Mechanical paver Gril (50mm -75mm) with 3.4% VG-30 bitumen (P NO> 158/ Item No-21.11.6)	Cum	0.00	0.00	

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17	Providing and laying bituminous concrete 40mm thick with 100-200 TPH batch type asphalt producing an average output of75 tonnes per using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6%of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH V specification clause No. 500.9 complete in all respects as per specifications. MORTH specification 30-45mm compacted thickness (grading II) with 6% Bitumen 80/100 No. 161/Item No. 21.22.6PWD SR 2018-19.	Cum	0.00	0.00	
18	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.	Sqm	0.00	0.00	
19	KSRB M800-35 Suply and Installation of moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) Moulded body and reflective panels with micro prismatic lens cabable of providing total internal reflection of the light entering the lens face and shall support a load of 1600k kgs tested in accordance to specifications of category A of MORTH circular no RW/NH/33023/10-97DO III Date: 11.06.1997. The height, width and length shall not exceed 50mm, 100mm, and 102mm and with minimum reflective area of 13sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integratedcylindrical shanks, (of dia not less than 19mm and height not less than 30mm) from the body is to be a minimun of 500kgs.Fixing will be by drilling holes on the roads for the shanks to go inside without nails using epoxy resin based adhesive as per manufacturer's recomendations and complete as per direction of engineer in charge (P no 187, I No 24.41of PWD BCSR 2018-19)	Nos	0.00	0.00	

= Planned %

= Executed %

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